



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:**

Farnworth et al.

**Serial No.:** 10/690,417

**Filed:** October 20, 2003

**For:** METHODS OF COATING AND  
SINGULATING WAFERS AND CHIP-  
SCALE PACKAGES FORMED  
THEREFROM

**Examiner:** Unknown

**Group Art Unit:** Unknown

**Attorney Docket No.:** 2269-5947US  
(03-0316.00/US)

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

December 11, 2003  
Date

*Rachael M. Harris*  
Signature

Rachael M. Harris  
Name (Type/Print)

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 or PTO/SB/08 be considered by the Examiner and made of record. Copies of the listed documents are enclosed pursuant to 37 C.F.R. § 1.98(a).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as

defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicants herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

U.S. Patent Documents

<u>U.S. Patent No.</u>	<u>Publication Date</u>	<u>Patentee</u>
US - 6,251,488	06/26/01	Miller et al.
US - 6,259,962	07/10/01	Gothait
US - 6,268,584	07/31/01	Keicher et al.
US - 6,337,122	01/08/02	Grigg et al.
US - 6,391,251	05/21/02	Keicher et al.
US - 6,482,576	11/19/02	Farnworth et al.
US - 6,489,007	12/03/02	Grigg et al.
US - 6,514,798	02/04/03	Farnworth
US - 6,524,346	02/25/03	Farnworth
US - 6,544,821	04/08/03	Akram
US - 6,544,902	04/08/03	Farnworth
US - 6,549,821	04/15/03	Farnworth et al.
US - 6,562,278	05/13/03	Farnworth et al.
US - 6,585,927	07/01/03	Grigg et al.
US - 6,593,171	07/15/03	Farnworth
US - 6,635,333	10/21/03	Grigg et al.

Other Documents

U.S. Patent Application Publication No. 2002/0066966 A1 to Farnworth, dated June 6, 2002

U.S. Patent Application Publication No. 2002/0098623 A1 to Akram, dated July 25, 2002

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U.S. Patent Application Publication No. 2003/0043360 A1 to Farnworth, dated March 6, 2003

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U.S. Patent Application Publication No. 2003/0072926 A1 to Grigg et al., dated April 17, 2003

U.S. Patent Application Publication No. 2003/0077418 A1 to Grigg et al., dated April 24, 2003

**Serial No. 10/690,417**

U.S. Patent Application Publication No. 2003/0089999 A1 to Akram, dated May 15, 2003

U.S. Patent Application Publication No. 2003/0092220 A1 to Akram, dated May 15, 2003

U.S. Patent Application Publication No. 2003/0093173 A1 to Farnworth et al., dated May 15, 2003

U.S. Patent Application Publication No. 2003/0102566 A1 to Farnworth, dated June 5, 2003

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U.S. Patent Application Publication No. 2003/0151167 A1 to Kritchman et al., dated August 14, 2003

U.S. Patent Application Publication No. 2003/0201531 A1 to Farnworth et al., dated October 30, 2003

U.S. Patent Application Publication No. 2003/0203158 A1 to Farnworth et al., dated October 30, 2003

U.S. Patent Application Publication No. 2003/0207213 A1 to Farnworth, dated November 6, 2003

MILLER et al., "Maskless Mesoscale Materials Deposition", Deposition Technology, September 2001, pages 20-22

MILLER, "New Laser-Directed Deposition Technology", Microelectronic Fabrication, August 2001, page 16

Webpage, Objet Prototyping the Future, Objet FullCure700 Series, 1 page

Webpage, Objet Prototyping the Future, How it Works, 2 pages

U.S. Patent Application No. 09/589,841, filed June 8, 2000, entitled "Stereolithographic Methods for Forming a Protective Layer on a Semiconductor Device Substrate and Substrates Including Protective Layers So Formed", inventor Farnworth et al.

U.S. Patent Application No. 09/651,930, filed August 31, 2000, entitled "Semiconductor Device Including Leads in Communication with Contact Pads Thereof and a Stereolithographically Fabricated Package Substantially Encapsulating the Leads and Methods for Fabricating the Same", inventor Salman Akram

U.S. Patent Application No. 10/370,755, filed February 20, 2003, entitled "Chip Scale Package Structures and Method of Forming Conductive Bumps Thereon", inventor Warren M. Farnworth

U.S. Patent Application No. 10/608,749, filed June 26, 2003, entitled "Methods for Labeling Semiconductor Device Components", inventor Grigg et al.

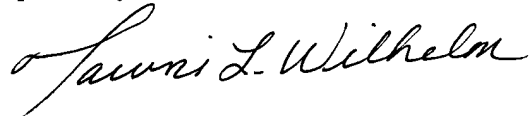
U.S. Patent Application No. 10/619,918, filed July 15, 2003, entitled "Stereolithographic Methods for Fabricating Hermetic Semiconductor Device Packages and Semiconductor Devices Including Stereolithographically Fabricated Hermetic Packages", inventor Warren M. Farnworth

U.S. Patent Application No. 10/672,098, filed September 26, 2003, entitled "Apparatus and Methods for Use in Stereolithographic Processing of Components and Assemblies", inventor Warren M. Farnworth

Applicants offer to supply any explanation or discussion of the documents which the Examiner feels is necessary or desirable and which is requested.

This Supplemental Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits.

Respectfully submitted,

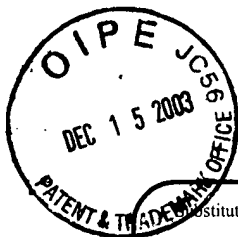


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Date: December 11, 2003  
TLW/rmh

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PTO/SB/08A (10-01)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 4

**Complete if Known**

Application Number	10/690,417
Filing Date	October 20, 2003
First Named Inventor	Farnworth et al.
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	5947US (03-0316.00/US)

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US- 6,251,488	06/26/01	Miller et al.	
		US- 6,259,962	07/10/01	Gothait	
		US- 6,268,584	07/31/01	Keicher et al.	
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		US- 6,489,007	12/03/02	Grigg et al.	
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		US- 6,635,333	10/21/03	Grigg et al.	
		US-			
		US-			
		US-			

**FOREIGN PATENT DOCUMENTS**

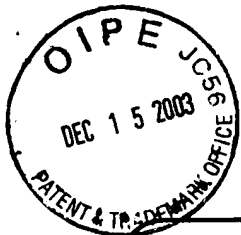
Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Sheet 2 of 4

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First Named Inventor	Farnworth et al.
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	5947US (03-0316.00/US)

**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		U.S. Patent Application Publication No. 2002/0066966 A1 to Farnworth, dated June 6, 2002	
		U.S. Patent Application Publication No. 2002/0098623 A1 to Akram, dated July 25, 2002	
		U.S. Patent Application Publication No. 2002/0171177 A1 to Kritchman et al., dated November 21, 2002	
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		U.S. Patent Application Publication No. 2003/0068584 A1 to Farnworth et al., dated April 10, 2003	
		U.S. Patent Application Publication No. 2003/0072926 A1 to Grigg et al., dated April 17, 2003	
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<sup>1</sup> Unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/690,417
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		First Named Inventor	Farnworth et al.
		Group Art Unit	Unknown
		Examiner Name	Unknown
Sheet 3 of 4	Attorney Docket Number	59471US (03-0316 00/1US)	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
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		MILLER, "New Laser-Directed Deposition Technology", Microelectronic Fabrication, August 2001, page 16	
		Webpage, Objet Prototyping the Future, Objet FullCure700 Series, 1 page	
		Webpage, Objet Prototyping the Future, How it Works, 2 pages	

Examiner Signature		Date Considered	
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Sheet 4 of 4

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